

Resource Summary Report

Generated by [nidm-terms](#) on Aug 14, 2026

pDEST53-LRRK2-R1441C

RRID:Addgene_25046

Type: Plasmid

Proper Citation

RRID:Addgene_25046

Plasmid Information

URL: <http://www.addgene.org/25046>

Proper Citation: RRID:Addgene_25046

Insert Name: LRRK2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16750377](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:7767; Vector Backbone:pcDNA-DEST53; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pDEST53-LRRK2-R1441C

Relevant Mutation: Arginine 1441 mutated to Cysteine

Record Creation Time: 20220422T222111+0000

Record Last Update: 20260808T081440+0000

Ratings and Alerts

No rating or validation information has been found for pDEST53-LRRK2-R1441C.

No alerts have been found for pDEST53-LRRK2-R1441C.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Filippini F, et al. (2023) Secretion of VGF relies on the interplay between LRRK2 and post-Golgi v-SNAREs. Cell reports, 42(3), 112221.

Fdez E, et al. (2022) Pathogenic LRRK2 regulates centrosome cohesion via Rab10/RILPL1-mediated CDK5RAP2 displacement. iScience, 25(6), 104476.

Chan SL, et al. (2014) MAP1B rescues LRRK2 mutant-mediated cytotoxicity. Molecular brain, 7, 29.